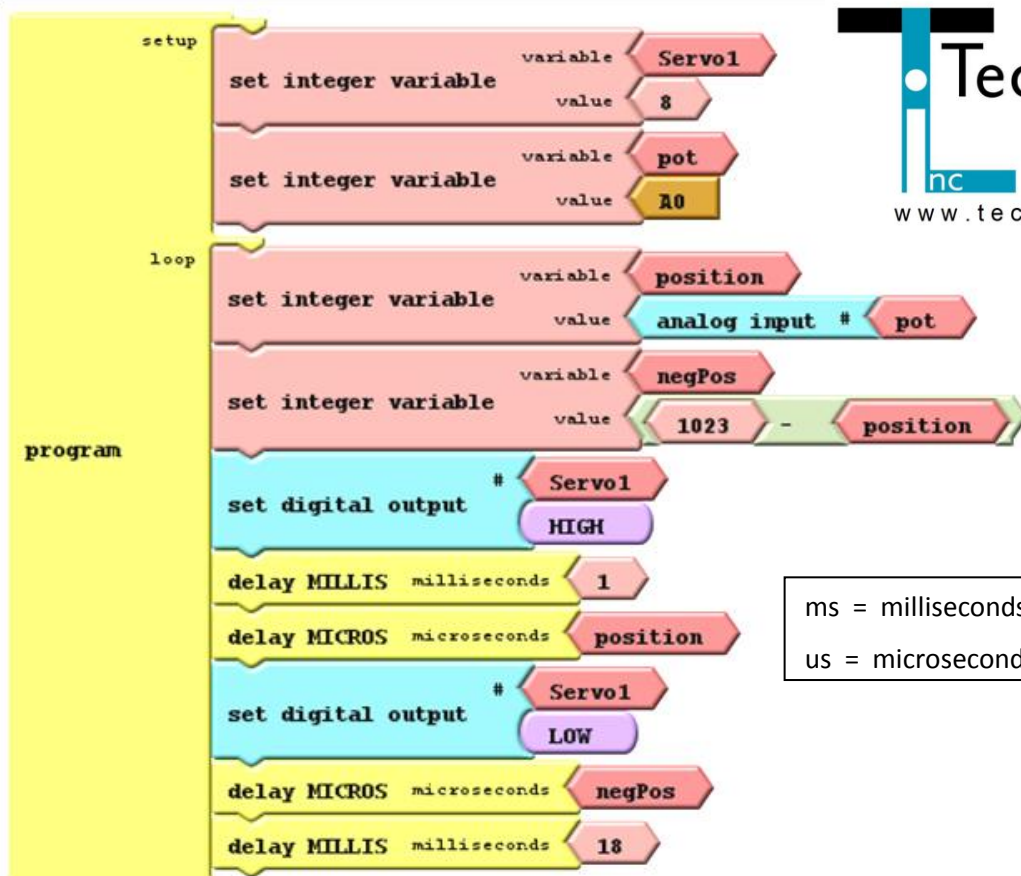
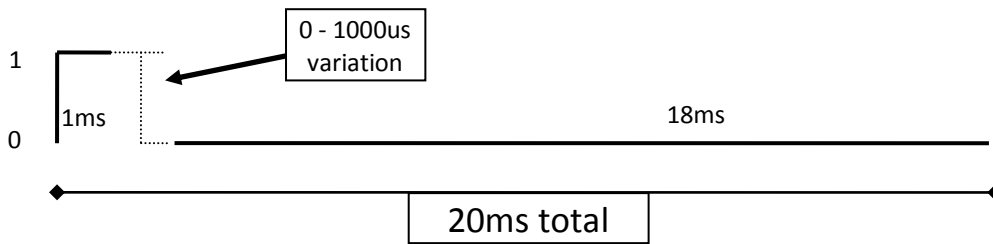


A servo is controlled by a series of pulses that repeat every 20 milliseconds (50 hertz).  
 In theory, the pulse is on for one millisecond, then however long it stays on for the next millisecond determines the horn position, then it is off for 18 milliseconds.  
 If the pulse is on for only one millisecond, the horn is in the "0" position.  
 If the pulse is on for 1.5 milliseconds, the horn is in the "90" position.  
 If the pulse is on for 2 milliseconds, the horn is in the "180" position.



ms = milliseconds = 1/1000 second  
 us = microseconds = 1/1000,000 second